

- 1 Supplemental Material. Data Tables for Figures
- 2 Supplemental Data Table for Figure 1. Number of adjusted community water systems by target
- 3 fluoride concentration and control range – Water Fluoridation Reporting System, 2006–2010

Control range							
Target FC -							
Target FC (mg/L)	0.1 mg/L to Target FC + 0.5 mg/L	Target FC ± 0.1 mg/L	Target FC ± 0.15 mg/L	Target FC ± 0.2 mg/L	Target FC ± 0.3 mg/L	Other	Total
<i>Number of adjusted community water systems</i>							
0.7	0	1	0	0	0	9	10
0.8	627	1	0	0	2	452	1082
0.9	197	0	0	40	0	309	546
1.0	1269	0	0	120	15	2639	4043
1.1	5	0	0	14	0	26	45
1.2	7	0	0	70	736	116	929
Other	0	0	0	0	0	12	12
Total	2105	2	0	244	753	3563	6,667

4 FC Fluoride concentration

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6 Supplemental Data Table for Figure 2. Number and percentage of system-months by monthly
 7 average fluoride concentration – Water Fluoridation Reporting System, 2006–2010

Average fluoride concentration	Number of system-months	Percentage of system-months
<0.3	9,071	5%
0.3	407	<1%
0.4	970	<1%
0.5	1,512	<1%
0.6	2,396	1%
0.7	6,234	3%
0.8	17,293	9%
0.9	30,545	16%
1.0	66,165	35%
1.1	33,068	17%
1.2	14,025	7%
1.3	5,238	3%
1.4	2,272	1%
1.5	1,013	<1%
1.6	440	<1%
1.7	207	<1%
≥1.8	410	<1%
Total	191,266	100%

9 Supplemental Data Table for Figure 3. Average and median fluoride concentration, standard
 10 deviation and interquartile range among adjusted community water systems – Water Fluoridation
 11 Reporting System, 2006–2010

Target Fluoride Concentration	Number of system- months	Average Fluoride Concentration	Median Fluoride Concentration	Standard Deviation	Interquartile Range
0.8	32,530	0.84	0.84	0.25	0.16
0.9	14,891	0.88	0.91	0.21	0.14
1.0	125,868	0.95	1.00	0.28	0.14
1.1	2,051	0.92	1.02	0.31	0.21
1.2	15,926	1.19	1.20	0.23	0.19

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13 Supplemental Data Table for Figure 4. Percentage of system-months* in which average fluoride
 14 concentration (FC) for each month was within, above and below selected control ranges around
 15 the target FC among fluoridating US public water systems during 2006–2010, overall and by
 16 population served

Percentage of system-months in which Average FC was:

Population served	within	above	below
<i>Control range: state-established</i>			
25–3,300	85	2	13
3,301–10,000	91	1	8
10,001–20,000	90	1	9
20,001–200,000	89	<1	11
More than 200,000	83	<1	16
Total	87	1	11
<i>Hypothetical</i>			
<i>Control range: Target FC - 0.1 to Target FC + 0.5 mg/L</i>			
25–3,300	81	1	18
3,301–10,000	87	<1	12
10,001–20,000	86	<1	14
20,001–200,000	84	<1	16
More than 200,000	78	<1	22
Total	84	<1	16
<i>Control range: Target FC ± 0.3</i>			
25–3,300	87	3	11

3,301–10,000	94	2	4
10,001–20,000	94	2	5
20,001–200,000	94	1	5
More than 200,000	91	<1	8
Total	91	2	7

Control range: Target FC ± 0.2

25–3,300	81	6	13
3,301–10,000	88	6	6
10,001–20,000	88	5	7
20,001–200,000	89	3	8
More than 200,000	87	1	11
Total	85	5	10

Control range: Target FC ± 0.15

25–3,300	71	13	16
3,301–10,000	79	12	9
10,001–20,000	79	11	10
20,001–200,000	81	7	11
More than 200,000	81	3	16
Total	76	11	13

Control range: Target FC ± 0.1

25–3,300	65	17	18
3,301–10,000	69	18	12
10,001–20,000	69	17	14

20,001–200,000	71	13	16
More than 200,000	71	7	22
Total	68	16	16

17 FC Fluoride concentration

18 *During 2006–2010, 4,251 unique adjusted community water systems had data for at least one
19 month during 2006–2010. Altogether, a total of 191,266 system-months were included in the
20 analysis. Row percentages may not sum to 100% due to rounding.

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23 Supplemental Data Table for Figure 5. Percentage of adjusted community water systems that
 24 maintained average fluoride concentration (FC) within selected control ranges around the target
 25 FC for 60, ≥ 57 , ≥ 54 , ≥ 48 or ≥ 45 months during 2006–2010 among 990 adjusted systems with data
 26 for 60 months, by population size

**Percentage of adjusted systems that maintained average fluoride concentration
 within selected control ranges during 2006–2010 for:**

Population served	60 months	≥ 57 months	≥ 54 months	≥ 48 months	≥ 45 months
<i>Control range: state-established</i>					
25–3,300	38%	66%	75%	85%	88%
3,301–10,000	52%	77%	83%	91%	93%
10,001–20,000	36%	67%	83%	89%	91%
20,001–200,000	46%	71%	77%	87%	90%
More than 200,000	24%	62%	69%	86%	93%
Total	43%	70%	79%	87%	91%
<i>Hypothetical</i>					
<i>Control range: Target FC - 0.1 to Target FC + 0.5 mg/L</i>					
25–3,300	26%	48%	62%	77%	82%
3,301–10,000	40%	62%	72%	84%	87%
10,001–20,000	27%	60%	72%	83%	87%
20,001–200,000	35%	60%	67%	79%	83%
More than 200,000	17%	45%	52%	79%	79%
Total	32%	56%	67%	80%	84%
<i>Control range: Target FC \pm 0.3</i>					

25–3,300	44%	66%	76%	88%	90%
3,301–10,000	60%	84%	91%	96%	97%
10,001–20,000	54%	82%	89%	92%	94%
20,001–200,000	57%	81%	89%	94%	95%
More than 200,000	45%	66%	79%	86%	93%
Total	53%	76%	85%	92%	94%

Control range: Target FC ± 0.2

25–3,300	27%	51%	59%	74%	77%
3,301–10,000	39%	64%	75%	87%	89%
10,001–20,000	34%	66%	75%	84%	87%
20,001–200,000	40%	66%	81%	89%	90%
More than 200,000	24%	59%	69%	83%	86%
Total	34%	60%	71%	83%	85%

Control range: Target FC ± 0.15

25–3,300	13%	27%	37%	55%	61%
3,301–10,000	19%	42%	52%	68%	72%
10,001–20,000	11%	43%	57%	70%	74%
20,001–200,000	20%	48%	57%	76%	82%
More than 200,000	14%	52%	59%	72%	79%
Total	16%	39%	49%	66%	71%

Control range: Target FC ± 0.1

25–3,300	8%	18%	27%	40%	49%
3,301–10,000	12%	24%	34%	55%	61%

10,001–20,000	5%	22%	32%	53%	63%
20,001–200,000	11%	29%	37%	57%	68%
More than 200,000	7%	24%	41%	62%	69%
Total	9%	23%	32%	50%	59%

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28 FC Fluoride Concentration

29 Supplemental Data Table for Figure 6. Percentage of population* served by adjusted community
 30 water systems receiving fluoridated water by target fluoride concentration and control range in
 31 2010 and 2015

		2010		2015	
		Adjusted Systems (n=4,088)	Population Served (n=146,528,649)	Adjusted Systems (n=3,879)	Population Served (n=169,516,509)
Target (mg/L)	Control Range (mg/L)	N %	N %	N %	N %
0.7	±0.1	--	--	1,748 45.1%	89,066,427 52.5%
	-0.1 to +0.2	--	--	267 6.9%	4,645,253 2.7%
	-0.1 to +0.5	--	--	487 12.6%	36,749,803 21.7%
	other	--	--	85 2.2%	5,407,323 3.2%
0.8	±0.1	1 <0.1%	884 <0.1%	--	--
	-0.1 to +0.2	5 0.1%	12,128 <0.1%	--	--
	-0.1 to +0.5	394	13,010,208	310	4,076,439

		9.6%	8.9%	8.0%	2.4%
	other	270	24,875,956	2	2,668
		6.6%	17.0%	0.1%	<0.1%
0.9	±0.1	--	--	--	--
	-0.1 to +0.2	--	--	--	--
	-0.1 to +0.5	173	7,510,896	--	--
		4.2%	5.1%		
	other	138	12,617,032	168	8,201,056
		3.4%	8.6%	4.3%	4.8%
1.0	±0.1	--	--	--	--
	-0.1 to +0.2	126	6,652,867	--	--
		3.1%	4.5%		
	-0.1 to +0.5	398	15,809,474	--	--
		9.7%	10.8%		
	other	2,128	60,602,679	524	17,239,771
		52.1%	41.4%	13.5%	10.2%
1.1	±0.1	--	--	--	--
	-0.1 to +0.2	--	--	--	--

	-0.1 to +0.5	5 0.1%	221,258 0.2%	--	--
	other	1 <0.1%	21,750 <0.1%	1 <0.1%	29,365 <0.1%
1.2	±0.1	--	--	--	--
	-0.1 to +0.2	--	--	--	--
	-0.1 to +0.5	1 <0.1%	2,450 <0.1%	--	--
	other	448 11.0%	5,191,067 3.5%	287 7.4%	4,098,404 2.4%

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